**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number

10/656,910

Filing Date

September 4, 2003

First Named Inventor

Jeffery A. Whiteford

Group Art Unit

1755

Examiner Name

Unassigned

Attorney Docket Number

40-002710US

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
☐ Fee Attached
☐ Amendment / Response
☐ After Final
☐ Affidavits/declaration(s)
☐ Extension of Time Request
☐ Express Abandonment Request
☒ Information Disclosure Statement
☐ Certified Copy of Priority Document(s)
☐ Response to Missing Parts/Incomplete Application
☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
☐ Drawing(s)
☐ Licensing-related Papers
☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition
☐ Petition to Convert to a Provisional Application
☐ Power of Attorney, Revocation Change of Correspondence Address
☐ Terminal Disclaimer
☐ Small Entity Statement
☐ Request for Refund

- ☐ After Allowance Communication to Group
☐ Appeal Communication to Board of Appeals and Interferences
☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Additional Enclosure(s) (please identify below):

receipt acknowledgment
postcard**Authorization to Charge Deposit Account**

Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name

Angela P. Horne, Ph.D., Reg. No. 41,079, Quine Intellectual Property Law Group, P.C.

Signature

Angela P. Horne, PhD

Date

February 13, 2004

CERTIFICATE OF MAILING

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Signature

Deborah Berwick

Date

February 13, 2004



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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By

Deborah Berwick
Deborah Berwick

Attorney Docket No. 40-002710US
Client Ref. No. 01-002710US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jeffery A. Whiteford, et al.

Application No.: 10/656,910

Filed: September 4, 2003

For: ORGANIC SPECIES THAT
FACILITATE CHARGE TRANSFER
TO OR FROM NANOSTRUCTURES

Examiner: Unassigned

Art Unit: 1755

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97 and
§ 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

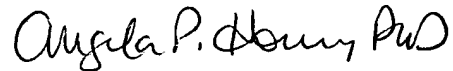
Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action on the merits per 37 CFR 1.97(b)(3). However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Angela P. Horne, Ph.D.
Reg. No. 41,079

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APH:db



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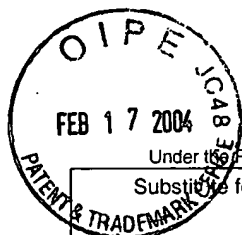
Application Number	10/656,910
Filing Date	September 4, 2003
First Named Inventor	Jeffery A. Whiteford
Group Art Unit	1755
Examiner Name	Unassigned
Attorney Docket Number	40-002710US
Date Submitted	February 13, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	5,504,323		Heeger et al.	04-02-1996	
	2	5,505,928		Alivisatos et al.	04-09-1996	
	3	5,690,807		Clark, Jr. et al.	11-25-1997	
	4	5,728,487		Grätzel et al.	03-17-1998	
	5	5,751,018		Alivisatos et al.	05-12-1998	
	6	5,897,945		Lieber et al.	04-27-1999	
	7	5,990,479		Weiss et al.	11-23-1999	
	8	5,997,832		Lieber et al.	12-07-1999	
	9	6,036,774		Lieber et al.	03-14-2000	
	10	6,048,616		Gallagher et al.	04-11-2000	
	11	6,136,156		El-Shall et al.	10-24-2000	
	12	6,207,229	B1	Bawendi et al.	03-27-2001	
	13	6,225,198	B1	Alivisatos et al.	05-01-2001	
	14	6,239,355	B1	Salafsky	05-29-2001	
	15	6,245,988	B1	Grätzel et al.	06-12-2001	
	16	6,251,303	B1	Bawendi et al.	06-26-2001	
	17	6,306,736	B1	Alivisatos et al.	10-23-2001	
	18	6,319,426	B1	Bawendi et al.	11-20-2001	
	19	6,322,901	B1	Bawendi et al.	11-27-2001	
	20	6,399,224	B1	Li	06-04-2002	
	21	6,413,489	B1	Ying et al.	07-02-2002	
	22	6,512,172	B1	Salafsky et al.	01-28-2003	

Examiner Signature		Date Considered	
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FOREIGN PATENT DOCUMENTS

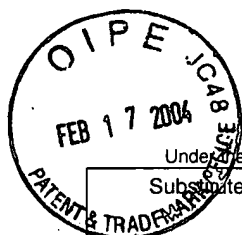
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	23	WO	02/080280	A1	The Regents of the University of California	10-10-2002		
	24	WO	02/17362	A2	President and Fellows of Harvard College	02-28-2002		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	25	BJÖRK ET AL. (2002) "One-dimensional steeplechase for electrons realized." <u>Nano Letters</u> 2(2):86-89.	
	26	CAO ET AL. (2000) "Growth and properties of semiconductor core/shell nanocrystals with InAs cores" <u>Journal of the American Chemistry Society</u> 122:9692-9702.	
	27	CUI ET AL. (2000) "Doping and electrical transport in silicon nanowires" <u>Journal of Physical Chemistry B</u> 104(22):5213-5216.	
	28	CUI ET AL. (2001) "Diameter-controlled synthesis of single-crystal silicon nanowires." <u>Applied Physics Letters</u> 78(15): 2214-2216.	
	29	DABBOUSI ET AL. (1997) "(CdSe)ZnS core-shell quantum dots: Synthesis and characterization of a size series of highly luminescent nanocrystallites." <u>Journal of Physical Chemistry B</u> 101:9463-9475.	
	30	DUAN ET AL. (2000) "General synthesis of compound semiconductor nanowires." <u>Advanced Materials</u> 12(4):298-302.	
	31	GREENHAM ET AL. (1996) "Charge separation and transport in conjugated-polymer/semiconductor-nanocrystal composites studied by photoluminescence quenching and photoconductivity." <u>Physical Review B-Condens Matter</u> 54(24): 17628-17637.	
	32	GREENHAM ET AL. (1997) "Charge separation and transport in conjugated polymer/cadmium selenide nanocrystal composites studied by photoluminescence quenching and photoconductivity." <u>Synthetic Metals</u> 84:545-546.	
	33	GUDIKNEN ET AL. (2000) "Diameter-selective synthesis of semiconductor nanowires." <u>Journal of the American Chemistry Society</u> 122:8801-8802.	
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Examiner Signature	Date Considered
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35	GUDIKSEN ET AL. (2002) "Growth of nanowire superlattice structures for nanoscale photonics and electronics." <u>Nature</u> 415:617-620.	
36	HUYNH ET AL. (1999) "CdSe Nanocrystals Rod/Poly (3-hexylthiophene) Composite Photovoltaic Devices." <u>Advanced Materials</u> 11(11): 923-927.	
37	HUYNH ET AL. (2002) "Hybrid Nanorod-Polymer Solar Cells." <u>Science</u> 295:2425-2427	
38	JUN ET AL. (2001) "Controlled synthesis of multi-armed CdS nanorod architectures using monosurfactant system." <u>Journal of the American Chemistry Society</u> 123:5150-5151.	
39	KRAFT ET AL. (1998) "Electroluminescent Conjugated Polymers -- Seeing Polymers in a New Light" <u>Angew Chem. Int. Ed.</u> 37:402-428.	
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41	MANNA ET AL. (2000) "Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals." <u>Journal of the American Chemistry Society</u> 122:12700-12706.	
42	MANNA ET AL. (2002) "Epitaxial growth and photochemical annealing of graded CdS/ZnS shells on colloidal CdSe nanorods" <u>Journal of the American Chemistry Society</u> 124:7136-7145.	
43	MILLIRON ET AL. (2003) "Electroactive surfactant designed to mediate electron transfer between CdSe nanocrystals and organic semiconductors" <u>Adv. Mater.</u> 15(1):58-61.	
44	MORALES ET AL. (1998) "A laser ablation method for the synthesis of crystalline semiconductor nanowires." <u>Science</u> 279:208-211	
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46	PENG ET AL. (2000) "Shape control of CdSe nanocrystals." <u>Nature</u> 404:59-61.	
47	PUNTES ET AL. (2001) "Colloidal nanocrystal shape and size control: The case of cobalt." <u>Science</u> 291:2115-2117.	
48	URBAN ET AL. (2002) "Synthesis of single-crystalline perovskite nanorods composed of barium titanate and strontium titanate." <u>Journal of the American Chemistry Society</u> 124(7): 1186-1187	
49	WU ET AL. (2002) "Block-by-block growth of single-crystalline Si/SiGe superlattice nanowires." <u>Nano Letters</u> 2(2):83-86.	
50	YUN ET AL. (2002) "Ferroelectric Properties of Individual Barium Titanate Nanowires Investigated by Scanned Probe Microscopy." <u>Nano Letters</u> 2(5): 447-450.	

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